TITLE: Fuel Dispensing System and Method
Inventors: Adrian J. Corless et al.
Docket No. 45896.0025
REPLACEMENT SHEET

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RECIPIENT — 14

FUEL SUPPLY SUBSYSTEM — 16

IMMOBILIZATION SUBSYSTEM — 18

CONTROLLER — 50

COMMUNICATION SUBSYSTEM — 20

LEAK DETECTION SUBSYSTEM — 21

10

DISPENSER — 12

FIGURE 1

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Inventors: Adrian J. Corless et al.
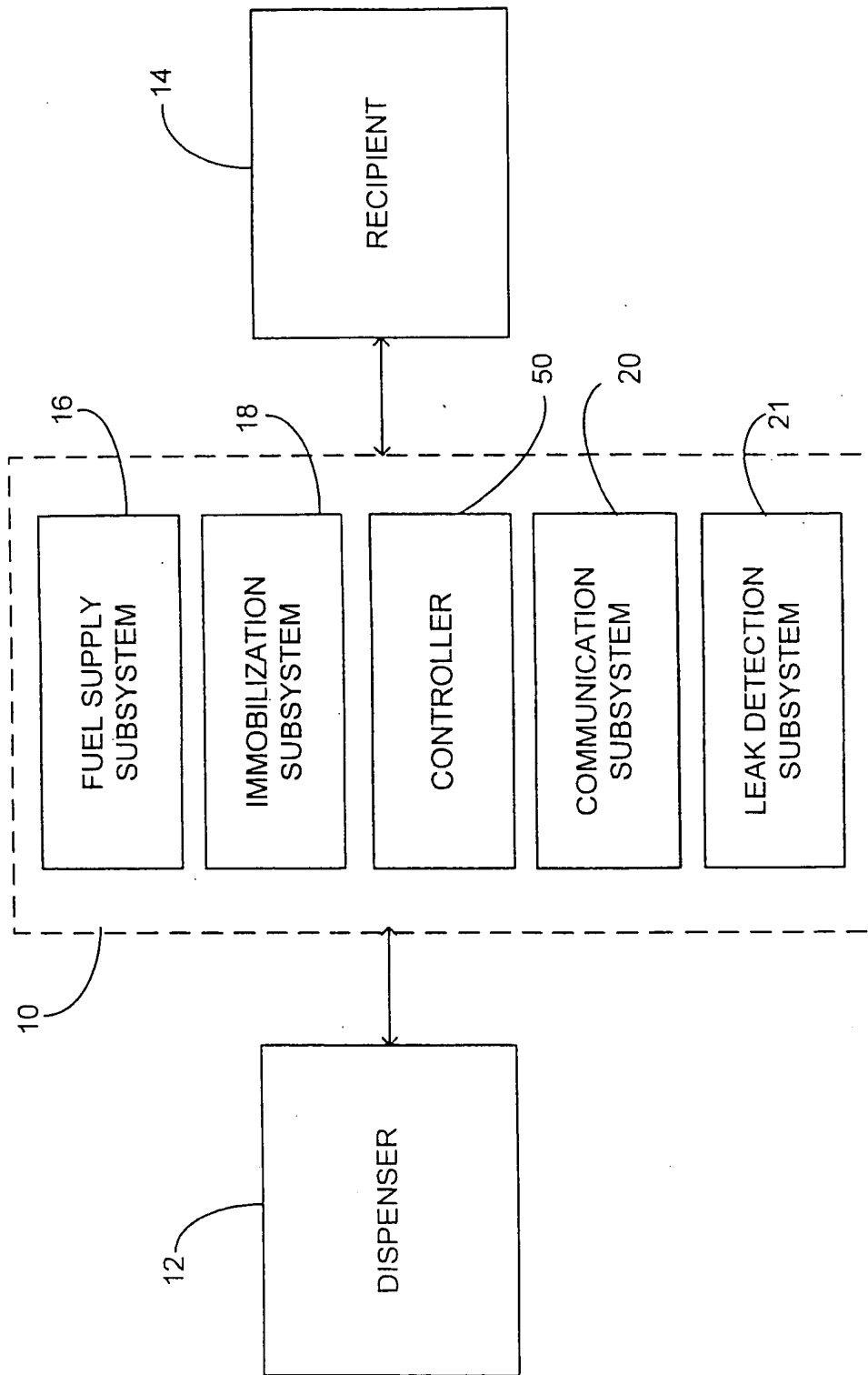Docket No. 45896.0025
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FIGURE 2

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FIGURE 3

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FIGURE 4

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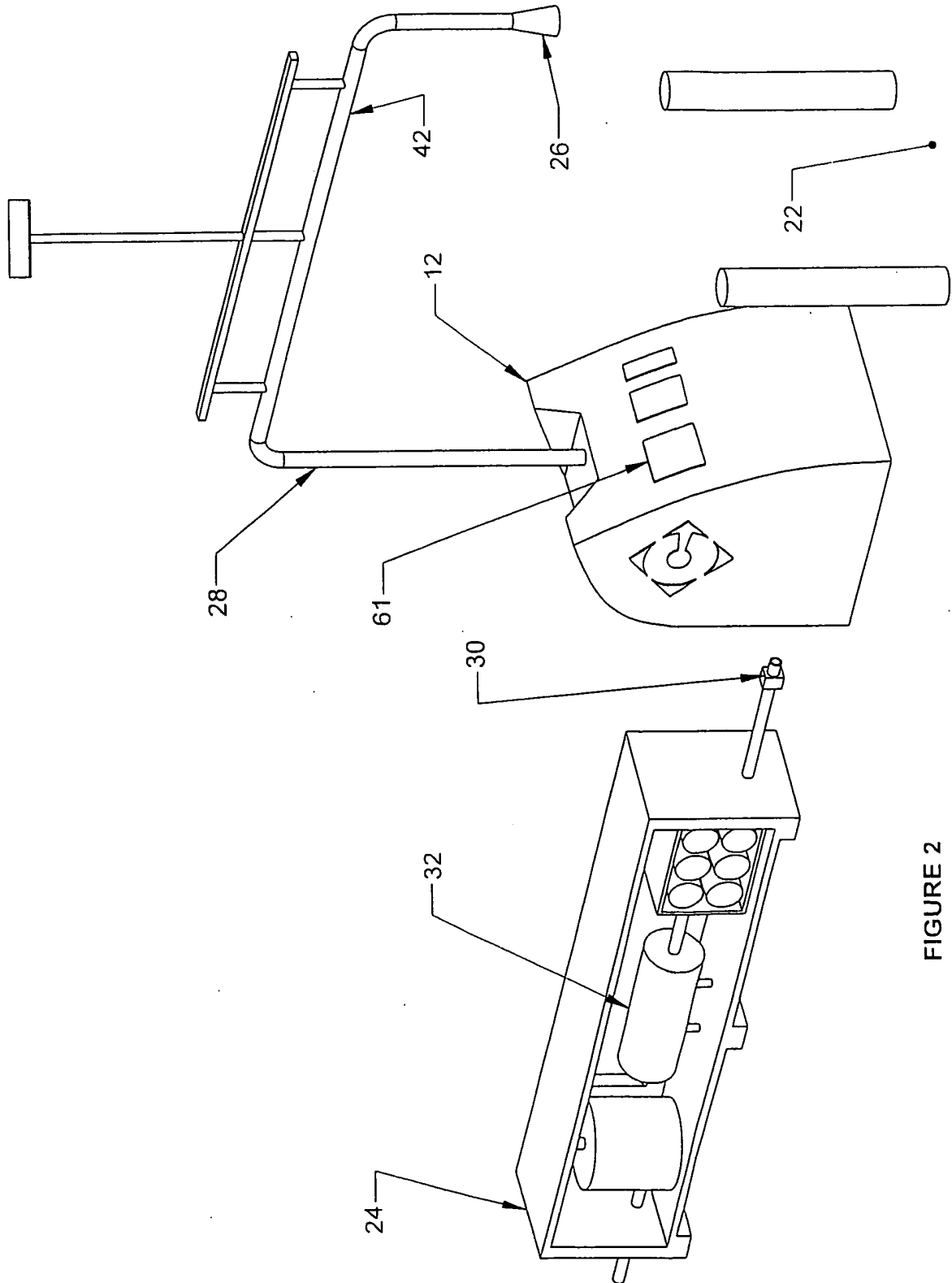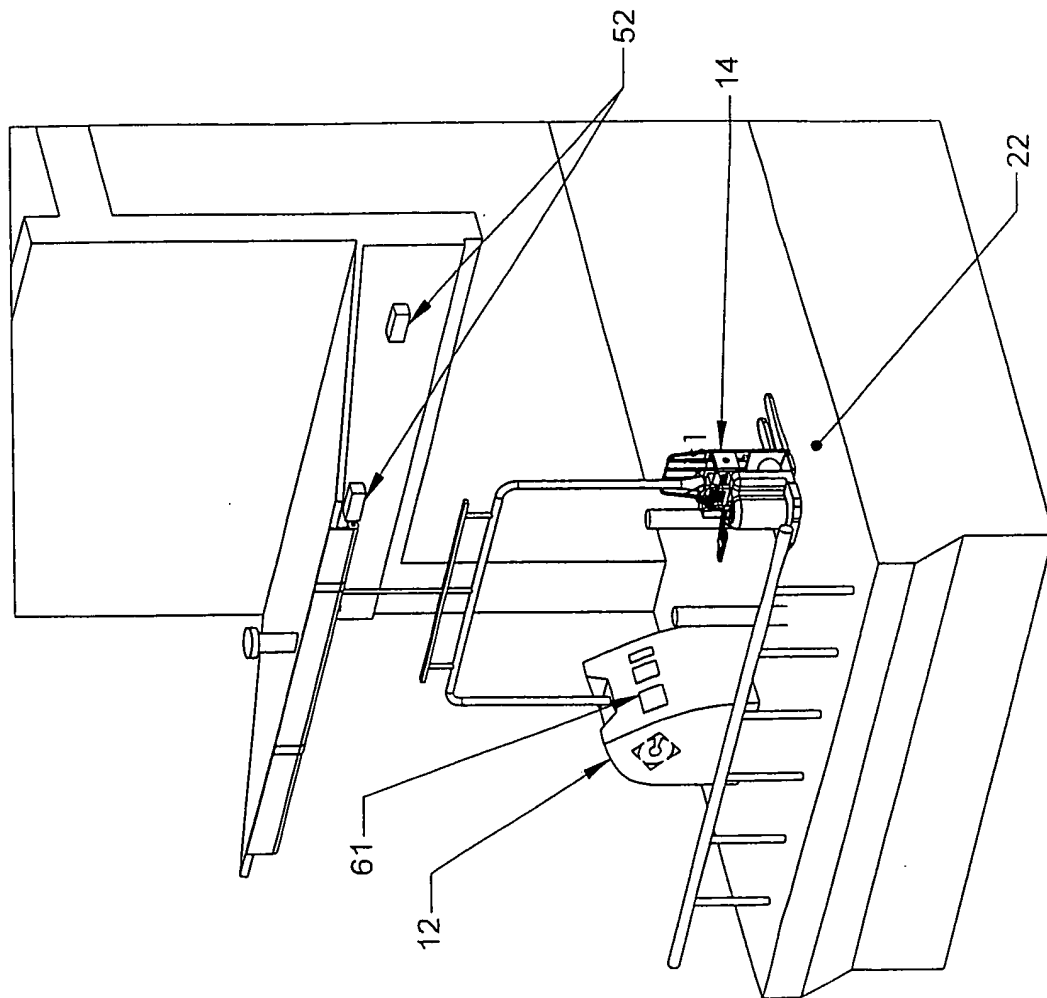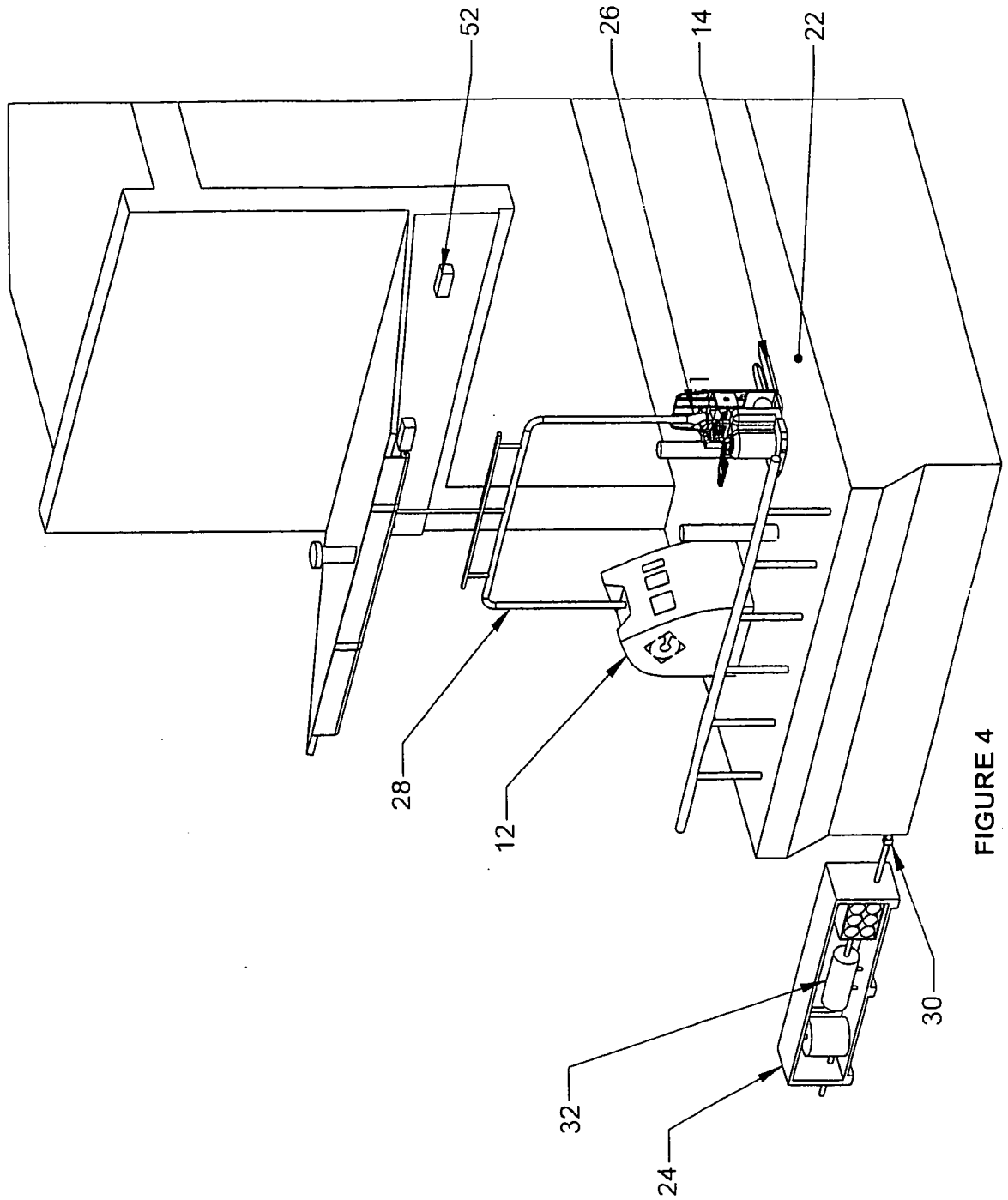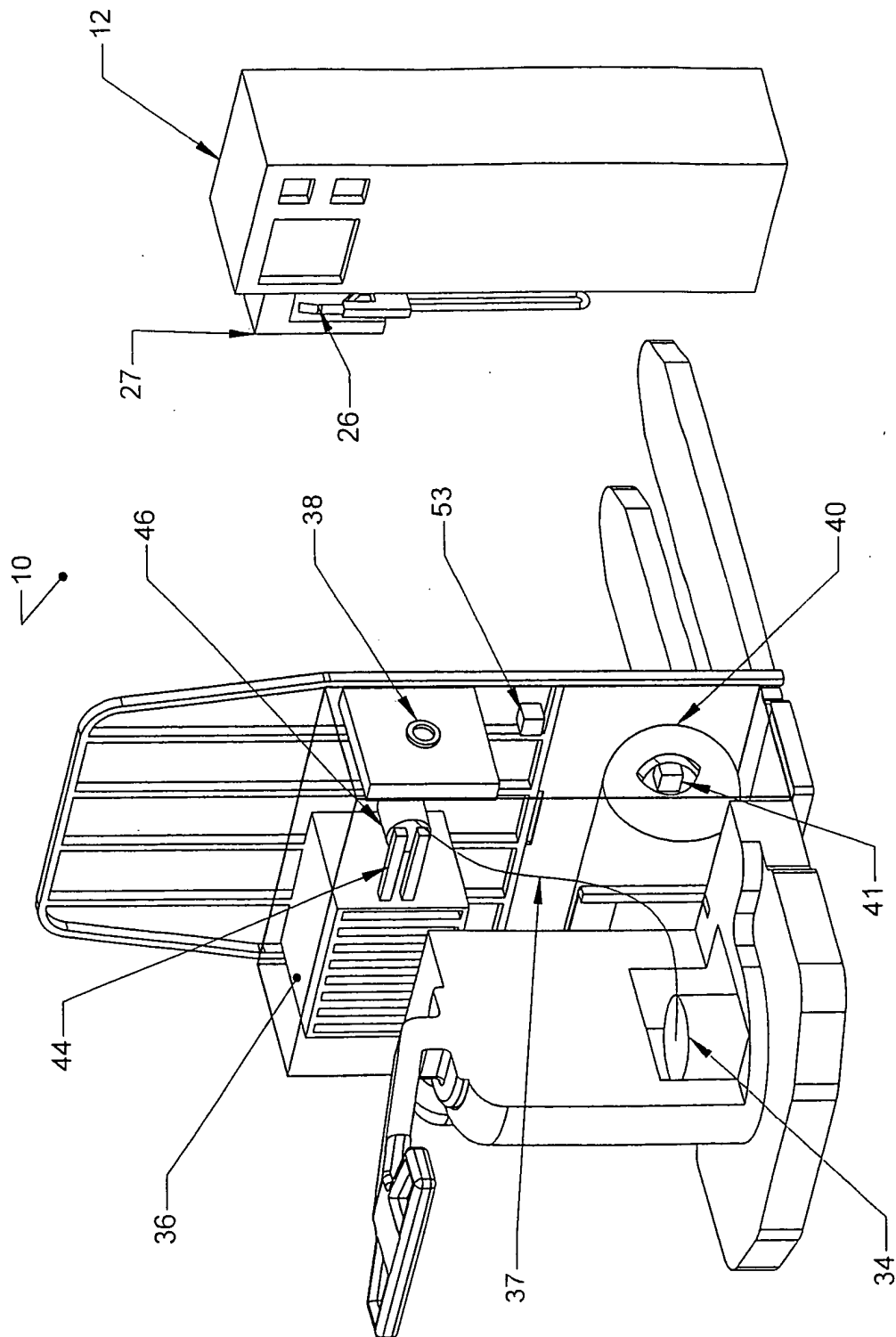Docket No. 45896.0025
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FIGURE 5

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FIGURE 5 b

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POSITION RECIPIENT IN FUELING ZONE — 100

ESTABLISH ELECTRICAL BOND — 102

ESTABLISH COMMUNICATION LINK — 104

IMMOBILIZE RECIPIENT — 106

PERMIT ACCESS TO FUELING NOZZLE AND FUEL INLET PORT — 108

COUPLE NOZZLE TO INLET PORT — 110

112 — INITIATE FUELING

114 — MONITOR FOR FUEL LEAKS

END FUELING WHEN SHUT-OFF CONDITION ARISES — 116

DECOUPLE NOZZLE FROM INLET PORT — 118

RETURN NOZZLE TO HOLSTER AND LOCK NOZZLE AND INLET PORT ACESS PANELS — 120

DISCONNECT ELECTRICAL GROUND WIRE — 122

MOBILIZE RECIPIENT — 124

END COMMUNICATION LINK — 126

REMOVE RECIPIENT FROM FUELING ZONE — 128
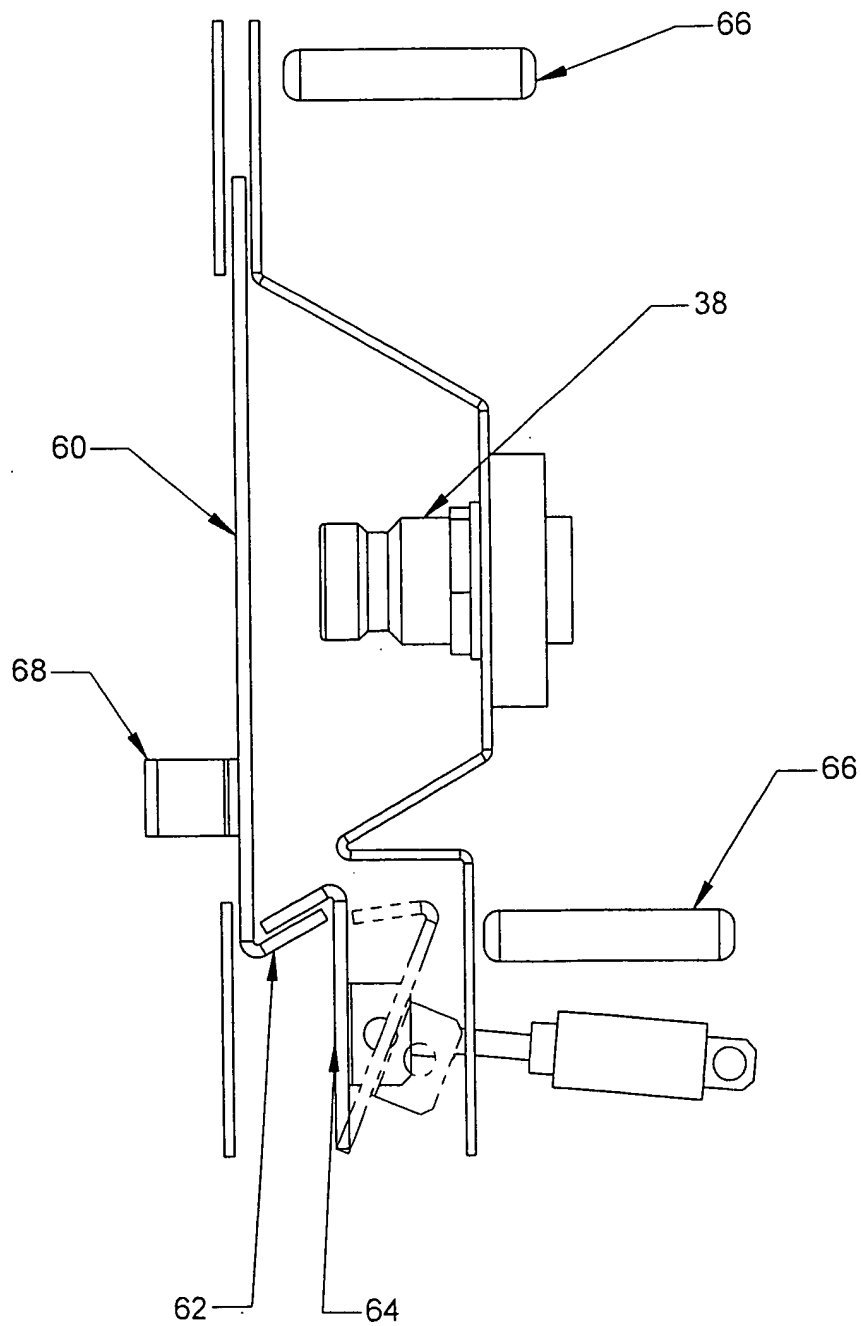
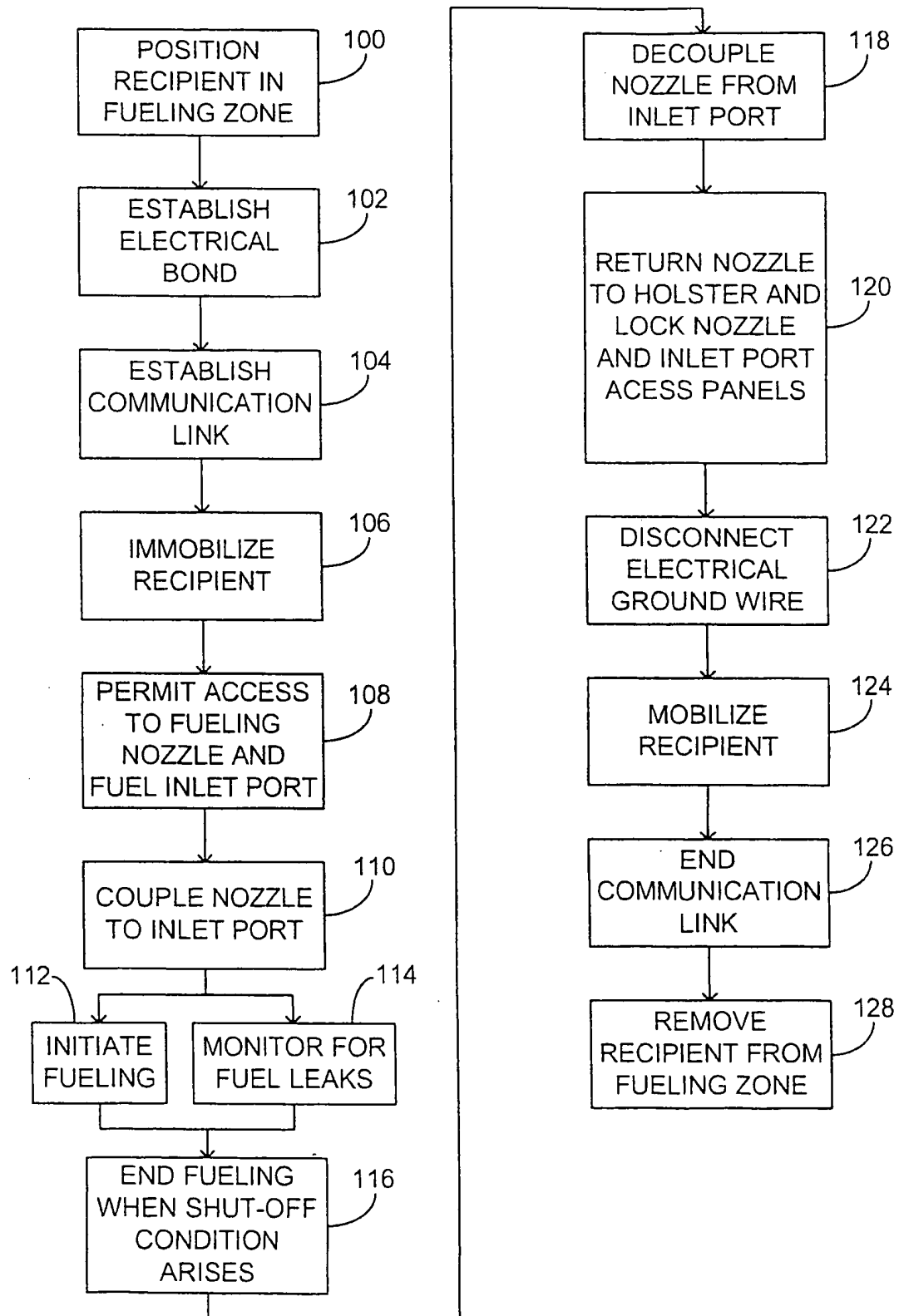FIGURE 6

TITLE: Fuel Dispensing System and Method
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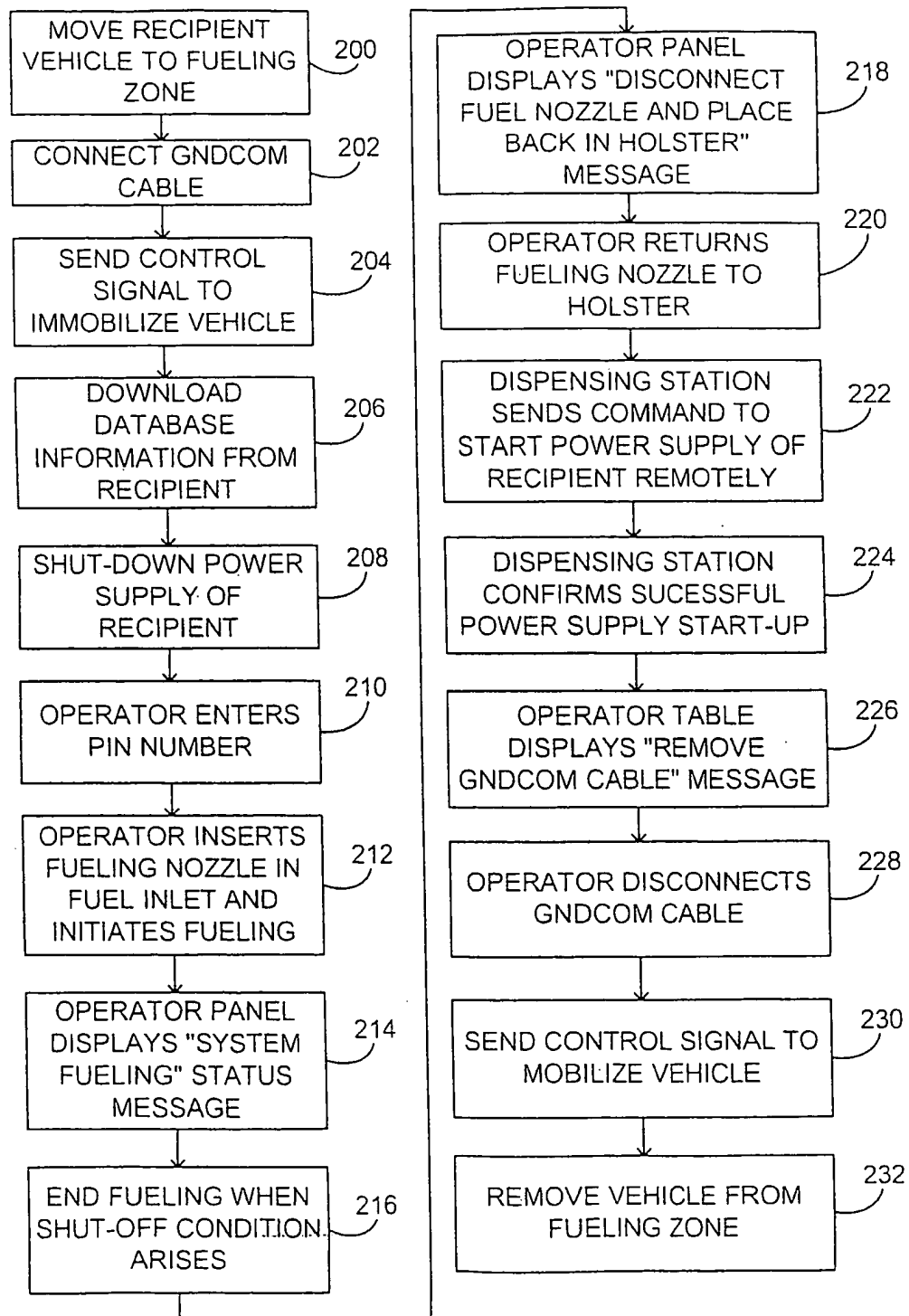MOVE RECIPIENT VEHICLE TO FUELING ZONE — 200

CONNECT GNDCOM CABLE — 202

SEND CONTROL SIGNAL TO IMMOBILIZE VEHICLE — 204

DOWNLOAD DATABASE INFORMATION FROM RECIPIENT — 206

SHUT-DOWN POWER SUPPLY OF RECIPIENT — 208

OPERATOR ENTERS PIN NUMBER — 210

OPERATOR INSERTS FUELING NOZZLE IN FUEL INLET AND INITIATES FUELING — 212

OPERATOR PANEL DISPLAYS "SYSTEM FUELING" STATUS MESSAGE — 214

END FUELING WHEN SHUT-OFF CONDITION ARISES — 216

OPERATOR PANEL DISPLAYS "DISCONNECT FUEL NOZZLE AND PLACE BACK IN HOLSTER" MESSAGE — 218

OPERATOR RETURNS FUELING NOZZLE TO HOLSTER — 220

DISPENSING STATION SENDS COMMAND TO START POWER SUPPLY OF RECIPIENT REMOTELY — 222

DISPENSING STATION CONFIRMS SUCESSFUL POWER SUPPLY START-UP — 224

OPERATOR TABLE DISPLAYS "REMOVE GNDCOM CABLE" MESSAGE — 226

OPERATOR DISCONNECTS GNDCOM CABLE — 228

SEND CONTROL SIGNAL TO MOBILIZE VEHICLE — 230

REMOVE VEHICLE FROM FUELING ZONE — 232

FIGURE 7